

Native Glutamate dehydrogenase (NADP+) from Yeast

Cat. No. NATE-1037 Lot. No. (See product label)

Introduction

- **Description** Glutamate dehydrogenase (GLDH) is an enzyme, present in most microbes and the mitochondria of eukaryotes, as are some of the other enzymes required for urea synthesis, that converts glutamate to α-ketoglutarate, and vice versa. In animals, the produced ammonia is usually used as a substrate in the urea cycle. Typically, the α-ketoglutarate to glutamate reaction does not occur in mammals, as glutamate dehydrogenase equilibrium favours the production of ammonia and α-ketoglutarate.
- Synonymsglutamate dehydrogenase (NADP+); glutamic dehydrogenase; dehydrogenase; glutamate
(nicotinamide adenine dinucleotide (phosphate)); glutamic acid dehydrogenase; L-glutamate
dehydrogenase; L-glutamic acid dehydrogenase; NAD(P)-glutamate dehydrogenase; NAD(P)H-
dependent glutamate dehydrogenase; glutamate dehydrogenase (NADP); EC 1.4.1.4; GLDH

Product Information

Source	Yeast
Form	Lyophilized Powder
EC Number	EC 1.4.1.4
CAS No.	2604121
Activity	> 10 U/mg protein
Contaminants	(as GIDH activity = 100%) Glucose-6-phosphate dehydrogenase < 0.1 % Phosphogluconate dehydrogenase < 0.5 % Glutamate dehydrogenase (NAD+) < 0.1 % Glutathione reductase < 0.1 % NADPH oxidase < 0.01 %

Storage and Shipping Information

Storage Below -20°C